Item (8)

OOK

Depth 6	Contents 7	Reference to last Measurement 8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497131

First / final bill:-

Serial No. Premeasurements:

Name of Work Providing pipe line in From ward no:07 by to Narayanapura

Name of Contractor of nature of Agency M/S. KRIDL

Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Est cost:	Rs. 20.00 lakhs					
	Job number:	007-18-00008 6					
	Head of account:	P3293					
	A.S.NO:-	AS/CE(YNK)/113/18-19, dt: 08.01.19					
	T.S.NO:-	TS/EE(BTP)/102/18-19, dt: 01.02.19					
	Agr no:-	NO. EE/BTP/Agr/247/18-19, dt: 28.02.19					
	Work order no:-	NO. EE/BTP/WO/247/18-19, dt: 28.02.19					
	Work order amount:-	Rs. 19,98,646.36/- (Including KRIDL charges)					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.01:- Premeasurements recorded:						
	Cutting of road surface - Asphalt surface:						
	Jakkur:-	03	30.0	0.45	0.20	= 8.10	
		03	30.0	0.45	0.20	= 8.10	
		03	30.0	0.45	0.20	= 8.10	
		01	30.0	0.45	0.20	= 2.70	
	Around coffee board lyt:-	03	30.0	0.45	0.20	= 8.10	
		03	30.0	0.45	0.20	= 8.10	
		03	30.0	0.45	0.20	= 8.10	
		03	30.0	0.45	0.20	= 8.10	
		01	40.0	0.45	0.20	= 3.60	
		02	30.0	0.45	0.20	= 5.40	
						68.40	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of w
1	2
	From bakery to pipe
	Item No.02:- Premeasu
	Cutting of roa
	Kuvempu ~~Vinayaka~~ layout
	1st cross

Item (8)

K

Depth 6	Contents 7	Reference to last Measurement 8
e:		
·20	= 8.10	
·20	= 8.10	
·20	= 8.10	
·20	= 2.70	
0·20	= 8.10	
0·20	= 8.10	
0·20	= 8.10	
0·20	= 8.10	
0·20	= 3.60	
0·20	= 5.40	
	68.40	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497132

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	From bakery to pipeline:	02	30·0	0·45	0·20	= 5.40	
		02	35·0	0·45	0·20	= 6.30	
						80.10 cum	
	Item No. 02:- Premeasurements recorded on: cutting of road surface - cement concrete road surface: Kuvempu ~~Vinayaka~~ layout: 1st cross	01	30·0	0·45	0·20	= 2.70	
		01	30·0	0·45	0·20	= 2.70	
		01	30·0	0·45	0·20	2.70	8.10

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Asstt.E.E.N.D
AE(WT)

MEASUREMENT BOOK

MAIN- BILL:

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.01:- Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., - Asphalt surface road.						
	Qty vide page no 497132 →			80.10 cum			
	At the rate of Rs. 475.94 →						38122.79
	Item No.02:- Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger, - cement concrete road.						
	Qty vide page no 497133 →			81.00 cum			
	At the rate of Rs. 727.16 →						58899.96

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	Item No.03:- Earthwork ex involving an average h 1.5m, excavated surface earth to be levelled neat	
	Qty vide page no .	
	At the rate of Rs. 13	
	Item No.04:- Providing and pipes conforming, having supply including all ep	

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		pipeline trenches and as directed including - Asphalt surface road.	
		80.10 cum	38121.79
		pipeline trenches and disposing including barricading, danger,	
		81.00 cum	58899.96

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497149

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.03:- Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 1.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete.,						
	Qty vide page no. 497135 →			405.48 cum			
	At the rate of Rs. 137.80 →						55875.14
	Item No.04:- Providing and fixing chlorinated polyvenyl chloride (CPVC) pipes conforming, having thermal stability for hot and cold water supply including all cpvc plain and brass treaded fittings including						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	fixing the pipe with clamp.;						
	Qty vide page no	497	136	→ 1790.00 m			207230.00
	At the rate of Rs. 121.90			→ 1700.00			218201.00
	Item No.05:- Refilling available earth around the pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m.;						
	Qty vide page no. 497	137		→ 322.20 cum			19786.00
	At the rate of Rs. 64.66			→ 306.00			208333.45

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item No.06:- loading and
	Qty
	At the rate of Rs
	Item No.07:- Providing a
	with OPC cement @ 180
	coarse aggregates e
	mixed, concrete laid
	in foundation and pl

Item (8)

BOOK

ons		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
1790.00			207230.00
1700.00			218201.00
ound the pipe lines, cables in			
, compacting each deposited			
with lead upto 50m.;			19786.00
322.20 cum			20833.45
306.00			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497141

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.06:- loading and unloading charges, Qty					→ 944.38 cum	23054.81
	At the rate of Rs. 94.34 →						
	Item No.07:- Providing and laying position plain cement concrete of mix M7.5 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85 cum and fine aggregates @0.57 cum machine mixed, concrete laid in layers not exceeding 15cms; th well compacted in foundation and plinth including cost of materials.;						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide page no 497139 →			121.16 cum			653463.00
	At the rate of Rs. 5408.12 →			120.83			655247.82
	Item No.09:- Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and TOM equipments.)						
	Jakkur	04	-	-	-	= 04	
	Vinayaka layout	08	-	-	-	= 08	
	Kuvempu layout	08	-	-	-	= 08	
						20 nos	
	At the rate of Rs. 149.46 →						2989.20

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	Item No.10:- Providing and fi wheel of approved quali bore cost of all materials, leads complete as per spe	
	Jakkur	0
	Vinayaka layout	10
	Kuvempu layout:	10
	At the rate of Rs.	222

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	.10 cum		653463.00
	.83		655247.82
n		brass stop cock of	
	including cost of	all	
)			
		- = 04	
		- = 08	
		- = 08	
		20 nos	
			2989.20

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497142

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.10:- Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 65mm nominal bore including cost of all materials, labour and hire of equipments with all leads complete as per specifications.						
	Jakkur	07	-	-	-	= 07	
	Vinayaka layout	10	-	-	-	= 10	
	Kuvempu layout:	10	-	-	-	= 10	
						27 nos	
	At the rate of Rs.	2229.18 →					60187.86

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.08:- Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregate @0.69cum and fine aggregate @0.43cum with superplasticiser @3Hs conforming ISsmth well compacted in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications,						
		03	30.0	0.45	0.12	= 4.86	
		03	30.0	0.45	0.12	= 4.86	
		03	30.0	0.45	0.12	= 4.86	
		01	30.0	0.45	0.12	= 1.62	
		03	30.0	0.45	0.12	= 4.86	
						21.06	

C&FC

M.B. 21/179/003

1.047

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2

C&FC

Item (8)

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
		plain cement concrete of	
		ith 20mm and down size	
		ate e0.6 sum and fine	
		ficiser e 3 lts conforming	
		n, plinth and cills,	
		sour, HOM of machinery,	
		s.)	
0.45	0.12	= 4.86	
0.45	0.12	= 4.86	
0.45	0.12	= 4.86	
0.45	0.12	= 1.62	
0.45	0.12	= 4.86	

21.06

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497143

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	CRFC	03	30.0	0.45	0.12	= 4.86	
		03	30.0	0.45	0.12	= 4.86	
		03	30.0	0.45	0.12	= 4.86	
		01	40.0	0.45	0.12	= 2.16	
		02	30.0	0.45	0.12	= 3.24	
		02	30.0	0.45	0.12	= 3.24	
		02	35.0	0.45	0.12	= 3.78	
		01	30.0	0.45	0.12	= 1.62	
		01	30.0	0.45	0.12	= 1.62	
						51.30	

Cr 21.06

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth C/F	51.30	
1	2	3	4	5	6	7	8
		01	30·0	0·45	0·12	= 1·62	
		01	30·0	0·45	0·12	= 1·62	
		01	30·0	0·45	0·12	= 1·62	
		01	37·0	0·45	0·12	= 2·0	
		01	30·0	0·45	0·12	= 1·62	
		01	30·0	0·45	0·12	= 1·62	
		01	43·0	0·45	0·12	= 2·32	
		01	30·0	0·45	0·12	= 1·62	
		01	30·0	0·45	0·12	= 1·62	
		01	55·0	0·45	0·12	= 2·97	
		01	30·0	0·45	0·12	= 1·62	
		01	30·0	0·45	0·12	= 1·62	
						73.17	

C/F.C.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of w
1	2

K

Depth 6	Contents 7	Reference to last Measurement 8
0.12	= 1.62	
0.12	= 1.62	
0.12	= 1.62	
0.12	= 2.0	
0.12	= 1.62	
0.12	= 1.62	
0.12	= 2.32	
0.12	= 1.62	
0.12	= 1.62	
0.12	= 2.97	
0.12	= 1.62	
0.12	= 1.62	
	73.17	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497144

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		01	32.0	0.45	0.12	= 1.73	
		01	30.0	0.45	0.12	= 1.62	
		01	30.0	0.45	0.12	= 1.62	
		01	30.0	0.45	0.12	= 1.62	
		02	30.0	0.45	0.12	= 3.24	
		02	30.0	0.45	0.12	= 3.24	
		02	30.0	0.45	0.12	= 3.24	
		02	30.0	0.45	0.12	= 3.24	
		01	30.0	0.45	0.12	= 1.62	
		01	30.0	0.45	0.12	= 1.62	
						95.96	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	95.96	
1	2	3	4	5	6	7	8
		01	13.0	0.45	0.12 =	0.70	
						96.90 cum	
	At the rate of Rs. 5754.24 →					96.66	557585.80
							556205.00
			Subtotal = 1690997.89				
	Add 12% GST charges = 202919.75						
	Add 3% KRIDL charges = 50729.94						
	Add 1% labour cess = 16909.98						
			Grand total = 1961557.56				

Certified

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Asst. Engr. N.D
AE (Mg)

11/9

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Certificate:- certified that contr

Asst. Engr. N.D
AE (Mg)

Assistant E
Byatarayan
KRIDL, B

K

Depth	Contents 7	Reference to last Measurement 8
6	95.96	
12 =	0.70	
	96.90 cum	
	96.66	5575858
		556205.00
0997.89		
2919.75		
50729.94		
16909.98		
161557.56		

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

M. A. R. 57 (Rule 116)
Measurement Book

No. B
497145

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Certificate:- certified that contractor has done the work satisfactorily. M/s M.N.D Agl (Mgt)						

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	1st and Final	3	4	5	6	7	8
			BA 1943944-00				
			SW 97200-00				
			RB 39000-00				
			SWD 17357-00				
			CWD 17357-00				
			CR 1950-00				
			SWR 1900-00				
			HB 1458-00				
			Fine 1350-00				
			208294-00				
			1735650-00				

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P.3293 ರಡಿ
ಬಿಲ್ಲು ಮೊಬಲಗು 1943944/- ಪಾಸು ಮಾಡಿದೆ.
ಇದರಲ್ಲಿ ಮೊ. 208294 ಹೊಂದಾಣಿಕೆ
ಮಾಡಿಕೊಂಡು 1735650-00 ಗಳನ್ನು

FT/NEFT/RTGS ಮುಖಾಂತರ ನಿಡಲಾಗಿದೆ

ನಿರ್ವಾಹಕರು
ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2